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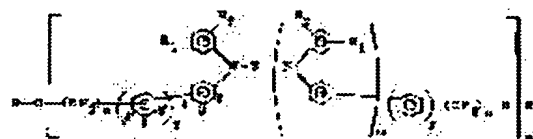
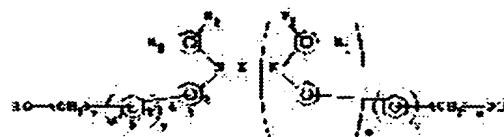
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(54) NOVEL CHARGE TRANSFER POLYMER, PREPARATION THEREOF, AND ORGANIC ELECTRONIC DEVICE MADE USING THE SAME

(57)Abstract:

PURPOSE: To obtain a novel charge transfer polymer excellent in solubility, film-forming properties, mechanical strengths, hole mobility and repetition stability by an intermolecular condensation reaction of a specific hydroxyl group- contg. charge transfer compd.

CONSTITUTION: A hydroxyl group-contg. charge transfer compd. of the formula I [R1 and R2 are each H, alkyl, alkoxy, substd. amino, a halogen, or (substd.) aryl; X is a (substd.) bivalent arom. group; y is 0 or 1; m is 0 or 1; and n is 1 to 5] is subjected to an intermolecular condensation reaction to obtain a charge transfer polymer of the formula II [R1, R2, x, y, m and n are as defined above; p is 5 to 5,000; and R is H, alkyl, acyl, or -CONH-R' (R' is alkyl, or substd. or unsubstd. aryl)]. This polymer is excellent in solubility and film-forming properties. An electrophotographic photoreceptor made by using this polymer is excellent in mechanical strength and hole mobility, high in photosensitivity, and excellent in repetition stability.



II

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